

10/536845

Rec'd PCT/PTO 31 MAY 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/051616 A3

(51) International Patent Classification⁷: G09G 3/32 (74) Agent: VOLMER, Georg; Philips Intellectual Property & Standards GmbH, Weiss hausstr. 2, 52066 Aachen (DE).

(21) International Application Number: PCT/IB2003/005432 (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 25 November 2003 (25.11.2003) (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English (26) Publication Language: English

(30) Priority Data: 02102680.2 4 December 2002 (04.12.2002) EP

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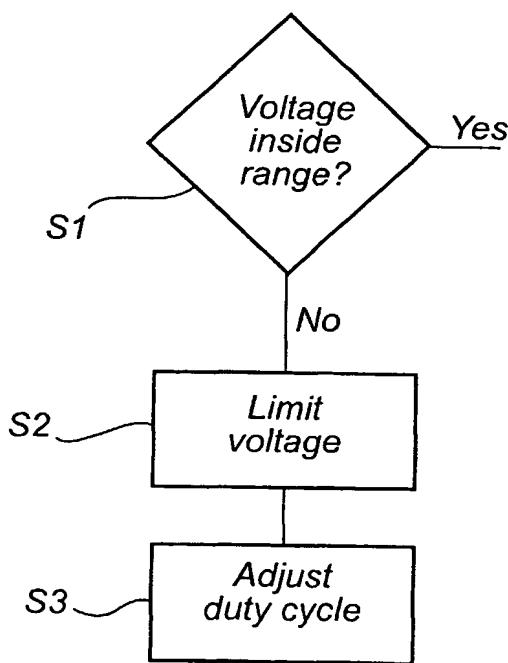
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
26 August 2004

[Continued on next page]

(54) Title: AN ORGANIC LED DISPLAY DEVICE AND A METHOD FOR DRIVING SUCH A DEVICE



(57) Abstract: A method for driving an organic LED display device having a first and a second electrode sandwiching an organic layer defining a plurality of light emitting elements. The method comprises applying to a light emitting element a voltage within a specified voltage range, within which the risk of short circuits between the electrodes is reduced, and controlling the duty cycle of said light emitting element, so that a desired light intensity is emitted from said light emitting element. The probability of short circuits in pixels of an organic LED display device is thus reduced by avoiding operating the display pixels within voltage ranges where the chance of short circuits is high. This limitation of the applied voltage is compensated by controlling the duty cycle of the light emitting element.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09G3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 225 557 A (MATSUSHITA ELECTRIC IND CO LTD) 24 July 2002 (2002-07-24) paragraphs '0065!, '0066!, '0129!, '0130!, '0132!, '0133!, '0156!, '0174! - '0185!, '0203!, '0204! -/-	1-21

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Patent family members are listed in annex.

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Date of the actual completion of the International search	Date of mailing of the international search report
24 June 2004	01/07/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer van Wesenbeeck, R

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HONG Y ET AL: "NOVEL POLY-SI TFT PIXEL ELECTRODE CIRCUITS AND CURRENT PROGRAMMED ACTIVE-MATRIX DRIVING METHODS FOR AM-OLEDs"</p> <p>2002 SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS. BOSTON, MA, MAY 21 - 23, 2002, SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS, SAN JOSE, CA : SID, US, vol. VOL. 33 / 1, 21 May 2002 (2002-05-21), pages 618-621, XP001134284 figure 2</p> <p>-----</p>	1-21
A	<p>US 6 291 942 B1 (FUJITA SUSUMU ET AL)</p> <p>18 September 2001 (2001-09-18)</p> <p>abstract</p> <p>column 2, lines 33-48</p> <p>column 3, lines 32-36</p> <p>column 7, line 30 - column 8, line 37</p> <p>column 9, lines 6-14</p> <p>-----</p>	4-13, 17-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/05432

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